

**NOTICE OF PROPOSED WATER POLLUTION CONTROL PERMIT
FOR HONOULIULI WASTEWATER TREATMENT PLANT
NPDES PERMIT NO. HI 0020877**

Docket No. HI 0020877

November 13, 2013

The Department of Health (DOH) tentatively proposes to reissue a National Pollutant Discharge Elimination System (NPDES) to discharge secondary treated wastewater to the Pacific Ocean, subject to special conditions to:

**CITY AND COUNTY OF HONOLULU
DEPARTMENT OF ENVIRONMENTAL SERVICES
1000 Uluohia Street, Suite 308
Kapolei, Hawaii 96707**

The proposed draft permit for the existing discharge will expire five (5) years from the permit issuance date.

The Permittee owns and operates the facility, located in Kapolei, Hawaii, on the island of Oahu. The facility has a design dry weather flow capacity of 38 MGD and provides primary and some secondary treatment of wastewater for approximately 335,000 people in the western portion of the Mamala Bay Service District. All incoming influent receives primary treatment consisting of preliminary influent screening, grit removal, pre-aeration, and primary clarification. From there, flow is separated into two (2) streams. One (1) stream is sent straight to effluent screens and does not receive any more treatment, while up to 13 MGD of primary treated wastewater is routed through two (2) adjustable V-notch weir gates to secondary treatment, which includes biotowers, solids contact, and secondary clarification. Up to 10 MGD of the secondary treated effluent may then be directed to the tertiary treatment facility to produce R1 reuse water and reverse osmosis (RO) reuse water, while the remaining 3 MGD of secondary treated wastewater is routed to the effluent screens. The primary treated effluent and remaining secondary treated effluent are then commingled at the effluent screens. The combined effluent flows through fine screens and finally to the Barbers Point Ocean Outfall (Outfall Serial No. 001) in Mamala Bay, Pacific Ocean, at Latitude 21°16'47"N and Longitude 158°01'40"W. The tertiary level treatment facility is managed by the Honolulu Board of Water Supply and operations at the tertiary facility are covered by a separate permit.

Sludge processing at the facility consists of digestion and thickening by gravity thickeners, and dewatering by centrifuge. Solids are hauled offsite to a landfill.

Outfall Serial No. 001 is located in a water depth of about 200 feet below mean lower low water (MLLW) and about 8,760 feet from the shoreline. The diffuser section of the outfall is 1,750 feet long and consists of three sections that range from 48 inches to 78 inches in diameter. The diffuser section of the outfall has 146 diffuser ports that range in size from 3.41 inches to 3.74 inches in diameter and two ends ports with a 6-inch diameter.

The Mamala Bay, Pacific Ocean, is designated as "Class A Wet Open Coastal Waters" under Section 11-54-06(b)(2)(B), Hawaii Administrative Rules (HAR). Protected beneficial uses of Class A waters include recreation, aesthetic enjoyment, and the protection and propagation of fish, shellfish, and wildlife.

Persons wishing to comment upon or object to the proposed NPDES permit or to request a public hearing, should submit their comments or requests in writing no later than 30 calendar days after the date of this notice, either in person or by mail, to:

Clean Water Branch
Environmental Management Division
Department of Health
919 Ala Moana Boulevard, Room 301
Honolulu, HI 96814-4920

Copies of the proposed public notice permit and other information are available for public inspection, Monday through Friday (excluding holidays) from 7:45 a.m. until 4:15 p.m., at the DOH office address shown. Copies may be bought. The public notice permit and fact sheet are also available on the internet at: <http://health.hawaii.gov/cwb/pubntcs/index.html>. For more information or if you have special needs due to disability that will aid you in inspecting and/or commenting on the public notice permit and related information, please contact Mr. Darryl C. Lum, Supervisor of the Engineering Section, Clean Water Branch, at the above address or (808) 586-4309 (Voice) at least seven (7) calendar days before the comment deadline. For those who use a TTY/TDD, please call through Sprint Relay Hawaii, at 1-711 or 1-877-447-5991.

All comments and requests received on time will be considered. If DOH determines that there is significant public interest, a public hearing may be held after at least 30 calendar days of public notice.

If DOH's position is substantially unchanged after considering all timely written comments and all oral comments at any public hearing that may be held, then the DOH will issue the NPDES permit and this action will be final.

Please notify anyone you know who would be interested in this matter.

LORETTA J. FUDDY, A.C.S.W., M.P.H.
Director of Health

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